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106	106 ((thermal adj barrier) or tbc) same (yttria)  (((thermal adj barrier) or tbc) same (yttria)  (((thermal adj barrier) or tbc) same (yttria))  (((thermal adj barrier) or tbc) same (yttria))  ((tytria)) not (((thermal adj barrier) or tbc) same (yttria with zirconia))  (("5514482") or ("5073433") or ("4861618") or ("4248940") or ("4055705")).PN.  ((("5514482") or ("5073433") or ("4861618") or ("4248940") or ("4055705")).PN.) and ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN)  ((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))  (((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))  (((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))) and ((thermal adj barrier) or tbc)  275 la with lanthanum  (((thermal adj barrier) or tbc) same lanthanum)  (((thermal adj barrier) or tbc) same lanthanum)  (((thermal adj barrier) or tbc) same lanthanum)  (((thermal adj barrier) or tbc) and (lanthanum adj oxide)  1	1 1		, ,		1		
19   29   (((thermal adj barrier) or tbc) same	29 (((thermal adj barrier) or tbc) same (yttria)) not (((thermal adj barrier) or tbc) same (yttria)) not (((thermal adj barrier) or tbc) same (yttria with zirconia))     5 (("5514482") or ("5073433") or ("4861618") or ("4248940") or ("4055705")).PN.     1 ((("5514482") or ("5073433") or ("4861618") or ("4248940") or ("4055705")).PN. ) and ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN)     66 ((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj carbide) or (SiC) or (silicon adj carbide) or (SiC) or (silicon adj nitride) or SiN)     25 (((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN)) and ((thermal adj barrier) or tbc)     1	10		106			2004/02/24 08:	:07
19   29   (((thermal adj barrier) or tbc) same (yttria)) not (((thermal adj barrier) or tbc) same (yttria)) not (((thermal adj barrier) or tbc) same (yttria with zirconia))     20	29	10		100	( tellermar aa) sarrier, er ese, remit ( remit)	1		Ì
(yttria)) not (((thermal adj barrier) or tbc) same (yttria with zirconia))  ("5514482") or ("5073433") or ("4861618") or ("4248940") or ("4055705")).PN.  ((("5514482") or ("5073433") or ("4861618") or ("4248940") or ("4055705")).PN.) and ((slicon adj carbide) or (sic) or (silicon adj nitride) or SiN)  ((turbine same substrate) same ((slicon adj carbide) or (siC) or (silicon adj nitride) or SiN))  (((turbine same substrate) same ((slicon adj carbide) or (siC) or (silicon adj nitride) or SiN))  (((turbine same substrate) same ((slicon adj carbide) or (siC) or (silicon adj nitride) or SiN))) and ((thermal adj barrier) or tbc)  24	(yttria)) not (((thermal adj barrier) or tbc) same (yttria with zirconia)) (("5514482") or ("5073433") or ("4861618") or ("4248940") or ("5073433") or ("4861618") or ("4248940") or ("5073433") or ("4861618") or ("4248940") or ("4055705")).PN.  ((("5514482") or ("5073433") or ("4861618") or ("4248940") or ("4055705")).PN.) and ((slicon adj carbide) or SiN)  ((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))  25 ((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN)) and ((thermal adj barrier) or tbc) 1 a with lanthanum  (((thermal adj barrier) or tbc) same lanthanum)  (((thermal adj barrier) or tbc) same lanthanum)  (((thermal adj barrier) or tbc) same lanthanum)  ((thermal adj barrier) or tbc) and (lanthanum adj oxide)  ((thermal adj barrier) or tbc) and (lanthanum adj oxide)  1 USPAT  2004/02/24 08:44  2004/02/24 08:51  2004/02/24 09:09  2004/02/24 09:09  2004/02/24 09:09  2004/02/24 09:09  2004/02/24 09:10  2004/02/24 09:23  2004/02/24 09:23  2004/02/24 09:23	10		29	(((thermal adi barrier) or tbc) same	EPO: JPO:	2004/02/24 08:	:41
tbc) same (yttria with zirconia))  (("5514482") or ("5073433") or ("4861618") or ("4248940") or ("5073433") or ("4861618")  (("5514482") or ("5073433") or ("4861618") or ("4248940") or ("4055705")).PN.  ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN)  ((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))  ((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))  (((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))  about the same substrate or the same ((slicon adj nitride) or SiN)) and ((thermal adj barrier) or the same (uspat) to the same ((slicon adj nitride) or SiN)) and ((thermal adj barrier) or the same (uspat) to the same ((slicon adj nitride) or SiN)) and ((thermal adj barrier) or the same (uspat) to the same	tbc) same (yttria with zirconia))  (("5514482") or ("5073433") or ("4861618") or ("4248940") or ("4055705")).PN.)  ((slicon adj carbide) or (SiC) or (silicon adj (slicon adj nitride) or SiN)  ((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))  25 (((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))) and ((thermal adj barrier) or tbc) la with lanthanum (((thermal adj barrier) or tbc) same lanthanum) (((thermal adj barrier) or tbc) same lanthanum) (((thermal adj barrier) or tbc) same lanthanum) ((thermal adj barrier) or tbc) and (lanthanum adj oxide)  1 USPAT 2004/02/24 08:44  2004/02/24 08:51  DERWENT USPAT; 2004/02/24 09:07  2004/02/24 09:07  2004/02/24 09:07  2004/02/24 09:10  2004/02/24 09:23  2004/02/24 09:23  2004/02/24 09:23  2004/02/24 09:23	1 1			(vttria)) not (((thermal adi barrier) or			
20     5	1	1.			thc) same (vttria with zirconia))			
Or ("4248940") or ("4055705")).PN.	or ("4248940") or ("4055705")).PN.  ((("5514482") or ("5073433") or ("4861618") or ("4248940") or ("4055705")).PN.) and ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN)  ((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))  25 ((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN)) and ((thermal adj barrier) or tbc) la with lanthanum (((thermal adj barrier) or tbc) same lanthanum)  (((thermal adj barrier) or tbc) same lanthanum)  ((thermal adj barrier) or tbc) same lanthanum)  ((thermal adj barrier) or tbc) and (lanthanum adj oxide)  1 USPAT 2004/02/24 08:51  DERWENT USPAT; 2004/02/24 09:09  Lanthanum)  US-PGPUB  EPO; JPO; DERWENT US-PGPUB  EPO; JPO; DERWENT US-PGPUB  US-PAT 2004/02/24 09:07  US-PGPUB  US-PAT 2004/02/24 09:23	20		5	(("5514482") or ("5073433") or ("4861618")	USPAT	2004/02/24 08:	:43
1 ((("5514482") or ("5073433") or ("4861618") or ("4248940") or ("4055705")).PN.) and ((slicon adj carbide) or (siC) or (silicon adj nitride) or SiN) ((turbine same substrate) same ((slicon adj carbide) or (siC) or (silicon adj nitride) or SiN)) (((turbine same substrate) same ((slicon adj carbide) or SiN)) (((turbine same substrate) same ((slicon adj carbide) or SiN))) and ((thermal adj barrier) or tbc) la with lanthanum ((thermal adj barrier) or tbc) la with lanthanum ((thermal adj barrier) or tbc) same lanthanum) (((thermal adj barrier) or tbc) same lanthanum) (((thermal adj barrier) or tbc) same lanthanum) (((thermal adj barrier) or tbc) same lanthanum) DERWENT (2004/02/24 0) (2004/02/24 0)	1 ((("5514482") or ("5073433") or ("4861618") or ("4248940") or ("4055705")).PN.) and ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN)  66 ((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))  25 (((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN)) and ((thermal adj barrier) or tbc)  275 la with lanthanum (((thermal adj barrier) or tbc) same lanthanum)  10 (((thermal adj barrier) or tbc) same lanthanum)  11 (((thermal adj barrier) or tbc) same lanthanum)  29 ((thermal adj barrier) or tbc) and (lanthanum adj oxide)  1	-			or ("4248940") or ("4055705")).PN.			
or ("4248940") or ("4055705")).PN.) and ((slicon adj carbide) or (siC) or (silicon adj nitride) or SiN)  ((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))  (((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))  (((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))) and ((thermal adj barrier) or tbc)  1 a with lanthanum (((thermal adj barrier) or tbc) same lanthanum)  (((thermal adj barrier) or tbc) same lanthanum)  (((thermal adj barrier) or tbc) same lanthanum)  DERWENT  USPAT; US	or ("4248940") or ("4055705")).PN.) and ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN)  ((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))  (((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN)) and ((thermal adj barrier) or tbc)  275 la with lanthanum (((thermal adj barrier) or tbc) same lanthanum)  11 ((thermal adj barrier) or tbc) same lanthanum) (((thermal adj barrier) or tbc) same lanthanum) ((thermal adj barrier) or tbc) and ((anthanum adj oxide)  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21		1	((("5514482") or ("5073433") or ("4861618")	USPAT	.2004/02/24 08:	:44
((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN)  ((turbine same substrate) same ((slicon adj carbide) or SiN))  (((turbine same substrate) same ((slicon adj carbide) or SiN))  (((turbine same substrate) same ((slicon adj carbide) or SiN))  (((turbine same substrate) same ((slicon adj carbide) or SiN))) and ((thermal adj barrier) or tbc)  la with lanthanum  (((thermal adj barrier) or tbc) same lanthanum)  (((thermal adj barrier) or tbc) same lanthanum)  (((thermal adj barrier) or tbc) same lanthanum)  ((thermal adj barrier) or tbc) same lanthanum)  DERWENT  2004/02/24 0  2004/02/24 0	((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN) ((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN)  ((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))  (((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))) and ((thermal adj barrier) or tbc)  1 a with lanthanum (((thermal adj barrier) or tbc) same lanthanum) (((thermal adj barrier) or tbc) same lanthanum) ((thermal adj barrier) or tbc) same (lanthanum) ((thermal adj barrier) or tbc) and (lanthanum adj oxide)  1 USPAT USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT 2004/02/24 09:23 USPAT 2004/02/24 09:23 USPAT 2004/02/24 09:23 USPAT 2004/02/24 09:23				or ("4248940") or ("4055705")).PN.) and			
adj nitride) or SiN)  ((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))  (((turbine same substrate) same ((slicon adj carbide) or SiN))  (((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))) and ((thermal adj barrier) or tbc)  24 275   a with lanthanum   DERWENT   2004/02/24 0    25 33 ((thermal adj barrier) or tbc) same   Lanthanum)   US-PGPUB    26   11 ((thermal adj barrier) or tbc) same   EPO; JPO;   2004/02/24 0    275   Lanthanum)   Lanthanum   L	adj nitride) or SiN) ((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))  25 (((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))) and ((thermal adj barrier) or tbc)  275 la with lanthanum (((thermal adj barrier) or tbc) same lanthanum) (((thermal adj barrier) or tbc) same lanthanum) (((thermal adj barrier) or tbc) same lanthanum) (((thermal adj barrier) or tbc) and (lanthanum adj oxide)  1 USPAT USPAT USPAT  2004/02/24 08:54  2004/02/24 09:52  2004/02/24 09:07  DERWENT USPAT USPAT 2004/02/24 09:10  USPAT 2004/02/24 09:23  USPAT 2004/02/24 09:23  USPAT 2004/02/24 09:23  USPAT 2004/02/24 09:23			1	((slicon adj carbide) or (SiC) or (silicon		1	
22 66 ((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))  23 25 (((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))) and ((thermal adj barrier) or tbc)  24 275 la with lanthanum  25 33 (((thermal adj barrier) or tbc) same lanthanum)  26 11 (((thermal adj barrier) or tbc) same lanthanum)  27  lanthanum)  28    11 (((thermal adj barrier) or tbc) same lanthanum)  29    11 ((thermal adj barrier) or tbc) same lanthanum)	((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))  (((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN)) and ((thermal adj barrier) or tbc)  275   la with lanthanum   DERWENT   2004/02/24 08:52   275   lanthanum   USPAT;   2004/02/24 09:09   276   lanthanum   USPAT;   2004/02/24 09:09   277   lanthanum   USPAT;   2004/02/24 09:07   278   lanthanum   USPAT;   2004/02/24 09:07   279   lanthanum   USPAT;   2004/02/24 09:07   270   Lanthanum   USPAT;   2004/02/24 09:10   270   Lanthanum   USPAT;   2004/02/24 09:23   270   Lanthanum   USPAT;   2004/02/24 09:23   280   Lanthanum   L				adi nitride) or SiN)			
carbide) or (SiC) or (silicon adj nitride) or SiN))  (((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))) and ((thermal adj barrier) or tbc)  a with lanthanum ((thermal adj barrier) or tbc) same ((thermal adj barrier) or tbc) same  lanthanum)  (((thermal adj barrier) or tbc) same EPO; JPO; lanthanum)  lanthanum)  carbide) or (SiC) or (silicon adj nitride)	carbide) or (SiC) or (silicon adj nitride) or SiN)     25	22		66	((turbine same substrate) same ((slicon adj	USPAT	2004/02/24 08:	:44
or SiN)) (((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))) and ((thermal adj barrier) or tbc) la with lanthanum ((thermal adj barrier) or tbc) same lanthanum) (((thermal adj barrier) or tbc) same lanthanum) (((thermal adj barrier) or tbc) same lanthanum)  ((thermal adj barrier) or tbc) same lanthanum)  DERWENT  2004/02/24 0 2004/02/24 0 2004/02/24 0 2004/02/24 0	or SiN)) (((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))) and ((thermal adj barrier) or tbc)  275 la with lanthanum (((thermal adj barrier) or tbc) same lanthanum) (((thermal adj barrier) or tbc) same lanthanum)  (((thermal adj barrier) or tbc) same lanthanum)  29 ((thermal adj barrier) or tbc) and (lanthanum adj oxide)  1			-	carbide) or (SiC) or (silicon adj nitride)			
23 25 (((turbine same substrate) same ((slicon adj carbide) or (SiC) or (silicon adj nitride) or SiN))) and ((thermal adj barrier) or tbc)  24 275 la with lanthanum 25 33 (((thermal adj barrier) or tbc) same lanthanum)  26 11 (((thermal adj barrier) or tbc) same lanthanum)  27	25			1	or SiN))			ļ
carbide) or (SiC) or (silicon adj nitride) or SiN)) and ((thermal adj barrier) or tbc) la with lanthanum (((thermal adj barrier) or tbc) same lanthanum)  (((thermal adj barrier) or tbc) same lanthanum) (((thermal adj barrier) or tbc) same lanthanum)  DERWENT USPAT; US-PGPUB EPO; JPO; lanthanum)  DERWENT	carbide) or (SiC) or (silicon adj nitride)   or SiN))) and ((thermal adj barrier) or tbc)   la with lanthanum   ((thermal adj barrier) or tbc) same   lanthanum)   ((thermal adj barrier) or tbc) same   lanthanum)   ((thermal adj barrier) or tbc) same   lanthanum)   ((thermal adj barrier) or tbc) same   EPO; JPO; DERWENT   USPAT;   2004/02/24 09:07     2004/02/24 09:07	23		25	(((turbine same substrate) same ((slicon adj	USPAT	2004/02/24 08:	:51
or SiN))) and ((thermal adj barrier) or tbc) la with lanthanum ((thermal adj barrier) or tbc) same lanthanum) ((thermal adj barrier) or tbc) same lanthanum) ((thermal adj barrier) or tbc) same lanthanum)  in the same of th	or SiN))) and ((thermal adj barrier) or tbc) la with lanthanum (((thermal adj barrier) or tbc) same lanthanum) (((thermal adj barrier) or tbc) same lanthanum) ((thermal adj barrier) or tbc) same lanthanum) ((thermal adj barrier) or tbc) and ((thermal adj barrier) or tbc) and (lanthanum adj oxide)  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				carbide) or (SiC) or (silicon adj nitride)			
24	275   la with lanthanum				or SiN))) and ((thermal adj barrier) or tbc)			
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lanthanum) 26 l1 (((thermal adj barrier) or tbc) same EPO; JPO; DERWENT	lanthanum) (((thermal adj barrier) or tbc) same   11	25		33	(((thermal adj barrier) or tbc) same		2004/02/24 09:	:09
lanthanum) DERWENT	lanthanum) ((thermal adj barrier) or tbc) and (lanthanum adj oxide)  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1	lanthanum)			
	29 ((thermal adj barrier) or tbc) and USPAT; 2004/02/24 09:10 (lanthanum adj oxide) USPAT 2004/02/24 09:23 USPAT 2004/02/24 09:23 USPAT 2004/02/24 09:23 USPAT 2004/02/24 09:23	26		11	(((thermal adj barrier) or tbc) same	1	2004/02/24 09:	:07
	(lanthanum adj oxide)  US-PGPUB USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT 2004/02/24 09:23 USPAT 2004/02/24 09:23	1				1		_
27 (thermal day barrier, or size, and	USPAT 2004/02/24 09:23 USPAT 2004/02/24 09:23 USPAT 2004/02/24 09:23	27		29		1	2004/02/24 09:	:10
(Tallellallallallallallallallallallallalla	USPAT 2004/02/24 09:23 1 USPAT 2004/02/24 09:23				(lanthanum adj oxide)		1:	
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101 O CO14100 IDDN 1110DN 1110DN 1 110DN 1 2004/00/24 C	9 5914189.URPN. USPAT 2004/02/24 09:23	31		9	5914189.URPN.	USPAT,	2004/02/24 09:	:23_